

Product Introduction



The LEADER in
Long-Range, Business & Consumer Class
Wireless Telecom Solutions
From
Aristel Networks Pty Ltd

Agenda

- **EnGenius Technologies**

- Corporate Overview

- **Leader in Long Range Cordless Solutions**

- Product Portfolio
- New FreeStyl 1 Product Introduction
- Target Markets
- FreeStyl 1 Features
- Technical Specifications

Corporate Overview



Senao International Co., Ltd.,

- Founded in 1979
- Taiwan Fortune 200 Company
- Listed on the Taiwan Stock Exchange
- Largest cellular phone distributor in Taiwan
- ISO9001 / ISO9002 / TL9000 certified manufacturing facilities



Aristel Networks Pty Ltd

Established 1999

Exclusive Australian Distributor for
EnGenius long range cordless voice products

www.aristel.com.au

Product Portfolios

Long Range Wireless PBX (Industrial)

SOHO Cordless Series



Single Line / Multi Handset



Multi-line / Multi Handset



1-line Cordless



4-line Stand Alone PBX

Introducing ...
FreeStyl 1

Long Range Cordless Telephones



Why FreeStyl1

Long Range

Long Range

Long Range

Long Range

Ultimate Cordless Phone Coverage



Up to 10,000 Hectares

Up to 100,000 sq. metres

9 floors of penetration



2.4/5.8GHz Cordless



1.9 GHz DECT



FreeStyl 1



Target Users

Maximum Residential Coverage



- Consumer
 - Large Home/Estate Resorts
 - Caravan Parks
 - Apartment Complex
 - Factories
 - Farms

FreeStyl 1 Expandability

FreeStyl 1 system can support up to (9) cordless handsets



Wireless Intercom

Private & Secure
Instant Communications



Private Wireless Intercom
Handset to Handset
or
Handset to Base



Voice Paging System

PTT (push to talk) instant voice page system



1. One handset



2. All handsets or a group of handsets



3. Base station



Speakerphone

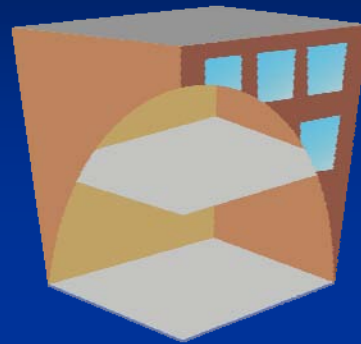
Hands Free Operation from either the *FreeStyl* handset or *FreeStyl* base



FreeStyl 1 Advantage



Extreme Outdoor Coverage
up to 10,000 hectares of
coverage



Superior Multi Floor Coverage
up to 9 floors of in-building penetration



Complete Large Property Coverage
up to 100,000 sq. metres.



Secure & Private Cordless Technology
will not interfere with WiFi networks or
other 2.4GHz, 5.8GHz or DECT phones



Wireless Intercom System
No Base/Power Required

- Long Range
- Slim Handset Design
- Multi-Language
- Speakerphone

Features List

- Phone book: 50 entries
- Speakerphone
- Intercom
- Key Guard
- Call Logs
- Call Transfer
- Call on Hold
- Mute
- Any Key Answer
- Adjustable Flash Time
- Expandable Handset
- Ringer/ Vibrate
- Type I/II Caller ID
- Soft Menu Key
- Voice Page
- User Friendly MMI
- Transmit Power Control
- 4-line LCD Display
- Rapid Charging
- Headset Jack w/Call Control

Technical Specification⁽¹⁾

| Electrical Specifications | Base Station | Portable Handset |
|---------------------------|--------------------------------------|--------------------------------------|
| Frequency | 915-928 MHz | 915-928 MHz |
| RF Power | Peak: 500 mW | Peak: 400 mW |
| | Average: 250 mW | Average: 200 mW |
| Channel Spacing | 100 kHz | 100 kHz |
| Number of Channels | 127 | 127 |
| Modulation | GMSK | GMSK |
| Frequency Hopping Rate | 100 per second | 100 per second |
| TDMA Frame Length | 10 ms | 10 ms |
| Number of Slots/Frame | 2 | 2 |
| Receiver Sensitivity | < -111 dBm (@ BER 10 ⁻²) | < -111 dBm (@ BER 10 ⁻²) |
| Antenna Connector | Reverse TNC | Non-standard |
| Antenna Gain | 2 dBi | 0.5 dBi (short antenna) |
| TX Power Control Range | NA | 40 / 500 mW |
| Telephone Interface | RJ11 x 2 | NA |
| Speech Coding | 8 kbps G.729AB | 8 kbps G.729AB |
| Channel Coding | 8 kbps Convolutional + CRC | 8 kbps Convolutional + CRC |
| Transmission Data Rate | 42.667 kbps | 42.667 kbps |
| User Data Rate | 32 kbps duplex | 32 kbps duplex |
| Duplex | Time Division Duplex (TDD) | Time Division Duplex (TDD) |
| Voice Quality | TIA/EIA-470B | TIA/EIA-470B |

Technical Specification⁽²⁾

| Electrical Specifications | Base Station | Portable Handset |
|---------------------------|-------------------------|---------------------------------------|
| No. of System ID | 65,536 | 65,536 |
| Ring Signal | 20-50 Hz, 30-90 Vrms | NA |
| Flash Time | 100-900 ms programmable | NA |
| Power Source | AC/DC 12V/1A SW Adapter | 3.7V/1100 mAh Li-Ion Battery |
| Charger Current | NA | 550 mA (850mA for spare battery slot) |
| Charge Time | NA | 3 hours (from empty) |
| Regulation Compliance | ACMA compliant | ACMA compliant |
| | | Hearing Aid Compatible |
| Operating Temperature | 0 – 50 °C | -10 – 60 °C |
| Storage Temperature | -40 – 70 °C | -40 – 70 °C |
| Humidity | 20 – 75 % | 20 – 75 % |
| Dimension with antenna | 188*161*42mm | 161*58*31mm |
| Weight | 424g | 175g |

FreeStyl1 – Go Long Range



The improved range specification for Australia is as follows

Range up to 6 KM's*

Open coverage up to 10,000 hectares

Up to 100,000 Metres² Warehouse coverage

Up to 9 Floors penetration

More coverage than any consumer cordless phone in Australasia*

Operating frequency 915 – 928 MHz

*With External Antenna

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